

Vasohibin-2/VASH2 Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms:	VASH2;Tubuliny-Tyr carboxypeptidase 2;Vasohibin-2;VASHL;Vasohibin-like protein
Protein Construction:	1-355 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q86V25
Molecular Weight:	56.4 kDa (predicted)
AA Sequence:	MTGSAADTHRCPHPKGAKGTRSRSSHARPVSLATSGGSEEDKDGGVLFHVNKSGFPIDSHTWERMWMHVAKVHPKGGEMVGAIRNA AFLAKPSIPQVPNYRLSMTIPDWLQAIQNYMKTLLQYNHTGTQFFEIRKMRPLSGLMETAKEMTRESLPIKCLEAVILGIYLTNGQPSIERFPISFKTYFSGNYFHHVVLGIYCNGRYGSLGMSRRAELMDKPLTFRTLSDLIFDFEDSYKKYLHTVKKVKIGLYVPHEPHSFQPIEWKQLVLNVSKMLRADIRKELEKYARDMRMKILKPASAHSPTQVRSRGKSLSPRRRQASPPRRLGRREKSPALPEKKVADLSTLNEVG YQIRI

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tyrosine carboxypeptidase that removes the C-terminal tyrosine residue of alpha-tubulin, thereby regulating microtubule dynamics and function. Critical for spindle function and accurate chromosome segregation during mitosis since microtubule detyronisation regulates mitotic spindle length and positioning. Acts as an activator of

angiogenesis: expressed in infiltrating mononuclear cells in the sprouting front to promote angiogenesis. Plays a role in axon formation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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